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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	17	Application Number	10/648,922
		Filing Date	08/27/2003
		First Named Inventor	Gary Brian Merrill
		Art Unit	1725
		Examiner Name	Jonathan J. Johnson
		Attorney Docket Number	1999P09028US01

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard
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**Remarks**  
Response to FINAL Office Action bearing "date mailed" of 07/01/2005, including a Supplemental Declaration of Gary Merrill under 37 CFR 1.132 and technical paper titled "Sol-Gel Derived Ceramic Bubbles" (author: Kyung H. Moh), enclosed herewith.

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	SIEMENS		
Signature			
Printed Name	JOHN P. MUSONE		
Date	AUGUST 31, 2005	Reg. No.	44,961

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name	Barbara Quinn	Date	August 31, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

# SIEMENS



PATENT  
Attorney Docket No. 99P9028US01

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Inventor:	G. Merrill, et al.	)		
		)	Group Art Unit:	1725
Serial No.:	10/648,922	)		
		)	Examiner:	J. Johnson
Filed:	August 27, 2003	)		

Title: HIGH TEMPERATURE EROSION RESISTANT COATING AND MATERIAL  
CONTAINING COMPACTED HOLLOW GEOMETRIC SHAPES

**Commissioner For Patents**  
**PO Box 1450**  
**Alexandria, VA 22313-1450**

Sir:

### RESPONSE TO FINAL OFFICE ACTION

In response to the Final Office Action mailed July 1, 2005 Applicants respectfully submit the following remarks in connection with the above-identified application in order to place the claims in condition for allowance or to place the claims in better form for appeal should be Examiner dispute the patentability of the claims.